CD45RO (PN0524) Nb-FC recombinant antibody

CatalogNo: YA0547 Recombinant

Key Features

Reactivity
- Human

Applications
- ELISA,Flow Cyt

Recommended Dilution Ratios

ELISA 1:5000-100000

Storage

Storage*	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Formulation	Phosphate-buffered solution

Basic Information

Source	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Purification	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Clone Number	PN0524

Immunogen Information

Immunogen	Purified recombinant Human CD45RO
Specificity	This recombinant monoclonal antibody can detects endogenous levels of CD45RO protein.

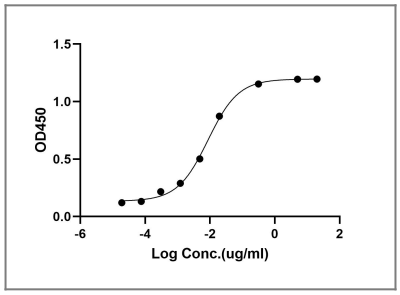
Target Information

Gene name	PTPRC
Protein Name	Receptor-type tyrosine-protein phosphatase C

Organism	Gene ID	UniProt ID
Human	942;	P08575;

Cellular Localization	Cell membrane ; Single-pass type I membrane protein . Membrane raft . Colocalized with DPP4 in membrane rafts.
Tissue specificity	Expressed by activated B-lymphocytes and monocytes.
Function	Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity (By similarity).(Microbial infection) Acts as a receptor for human cytomegalovirus protein UL11 and mediates binding of UL11 to T-cells, leading to reduced induction of tyrosine phosphorylation of multiple signaling proteins upon T-cell receptor stimulation and impaired T-cell proliferation.

Validation Data



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Please scan the QR code to access additional product information: **CD45RO (PN0524) Nb-FC recombinant antibody**